

**1 Identification of the substance or mixture and of the supplier****Product identifier**Trade name: **600 PAINT REMOVER**

Article number: 477

Relevant identified uses of the substance or mixture and uses advised against

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

Environmental release category ERC3 Formulation into solid matrix

Article category AC7 Metal articles

Application of the substance / the mixture Surface protection

**Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 &amp; MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

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Further information obtainable from:

HB BODY S.A.

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Emergency telephone number: 24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

**2 Hazards identification****Classification of the substance or mixture**

flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



corrosion

Eye Dam. 1 H318 Causes serious eye damage.

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- Skin Irrit. 2 H315 Causes skin irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

### Additional information:

- 6.3A Substances that are irritating to the skin
- 9.1C Substances that are harmful in the aquatic environment
- 8.3A Substances that are corrosive to ocular tissue

### Label elements

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02 GHS05 GHS07

- Signal word Danger
- Hazard-determining components of labelling:
  - dimethoxymethane
  - 2-dimethylaminoethanol
- Hazard statements
  - H225 Highly flammable liquid and vapour.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H317 May cause an allergic skin reaction.
  - H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
  - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 Immediately call a POISON CENTER/doctor.
  - P321 Specific treatment (see on this label).
  - P362+P364 Take off contaminated clothing and wash it before reuse.
  - P403+P235 Store in a well-ventilated place. Keep cool.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

## 3 Composition/Information on ingredients

### Chemical characterisation: Mixtures

- Description: Mixture of hazardous substances listed below with nonhazardous additions.

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**Trade name: 600 PAINT REMOVER****Dangerous components:**

CAS: 646-06-0	1,3-dioxolane	60-<70%
EINECS: 211-463-5	☠ Flam. Liq. 2, H225	
Index number: 605-017-00-2		
RTECS: JH 6760000		
CAS: 109-87-5	dimethoxymethane	20-<25%
EINECS: 203-714-2	☠ Flam. Liq. 2, H225	
RTECS: PA 8750000	☠ Skin Sens. 1, H317	
CAS: 108-01-0	2-dimethylaminoethanol	1-<5%
EINECS: 203-542-8	☠ Flam. Liq. 3, H226	
Index number: 603-047-00-0	☠ Skin Corr. 1B, H314	
RTECS: KK 6125000	☠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	1-<5%
EINECS: 265-149-8	☠ Flam. Liq. 3, H226	
Index number: 649-422-00-2	☠ Asp. Tox. 1, H304	
	ANTICORROSIVE PIGMENT	0.99%
	☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

Additional information: For the wording of the listed hazard phrases refer to section 16.

**4 First aid measures****Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**5 Fire fighting measures****Extinguishing media**

- Suitable extinguishing agents:
  - CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture** No further relevant information available.
- Advice for firefighters**
  - Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
- Speial protective equipment and fire fighting procedures: No special measures required.
- Additional information**
  - Collect contaminated fire fighting water separately. It must not enter the sewage system.
  - HAZ CHEM CODE: 3YE

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

- Wear protective equipment. Keep unprotected persons away.

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**Trade name: 600 PAINT REMOVER****Environmental precautions:**

- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Use neutralising agent.
- Dispose contaminated material as waste according to section 13.
- Ensure adequate ventilation.

**Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

**7 Handling and storage****Handling:**

- Precautions for safe handling
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- Information about fire - and explosion protection:
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.

**Conditions for safe storage, including any incompatibilities**

- Storage:
  - Requirements to be met by storerooms and receptacles: Store in a cool location.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    - Keep container tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection****Control parameters**

- Ingredients with limit values that require monitoring at the workplace:

**109-87-5 dimethoxymethane**

WES (New Zealand) Long-term value: 3110 mg/m<sup>3</sup>, 1000 ppm

**108-01-0 2-dimethylaminoethanol**

WES (New Zealand) Short-term value: 22 mg/m<sup>3</sup>, 6 ppm

Long-term value: 7.4 mg/m<sup>3</sup>, 2 ppm

- Regulatory information WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices
- Additional information: The lists valid during the making were used as basis.

**Exposure controls**

- Personal protective equipment:
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the skin.

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Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)**

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Rubber gloves

- **Eye protection:**



Tightly sealed goggles

- **Body protection: Protective work clothing**

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Liquid

- **Colour:**

Colourless

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **pH-value:**

Mixture is non-soluble (in water).

- **Change in condition**

- **Melting point/freezing point:**

Undetermined.

- **Initial boiling point and boiling range:**

45.5 °C

- **Flash point:**

< 0 °C

- **Flammability (solid, gas):**

Highly flammable.

- **Autoignition temperature:**

235 °C

- **Decomposition temperature:**

Not determined.

- **Ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Risk of explosion by shock, friction, fire or other sources of ignition.

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**Trade name: 600 PAINT REMOVER**

- Explosion limits:
- Lower: 2.1 Vol %
- Upper: 20.5 Vol %
- Vapour pressure at 20 °C: 440 hPa
- Density at 20 °C: 0.982 g/cm<sup>3</sup>
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with
- water: Fully miscible.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.
- Solvent content:
- VOC (EC) 0.0 g/l
- Solids content (volume): 23.7 %
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

- **Information on toxicological effects**
- Acute toxicity
- LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Oral LD50 66,667 mg/kg (rat)  
 Dermal LD50 45,667 mg/kg (rabbit)  
 Inhalative LC50/4 h 108 mg/l (mouse)

**646-06-0 1,3-dioxolane**

Oral LD50 3,000 mg/kg (rat)  
 Dermal LD50 8,480 mg/kg (rabbit)  
 Inhalative LC50/4 h 20,650 mg/l (rat)

**109-87-5 dimethoxymethane**

Oral LD50 5,708 mg/kg (rabbit)

**108-01-0 2-dimethylaminoethanol**

Oral LD50 2,000 mg/kg (rat)  
 Dermal LD50 1,370 mg/kg (rabbit)

**Trade name: 600 PAINT REMOVER**

- Inhalative LC50/4 h 3.25 mg/l (mouse)
- **Primary irritant effect:**
- Skin corrosion/irritation Irritant to skin and mucous membranes.
- Serious eye damage/irritation Strong irritant with the danger of severe eye injury.
- Respiratory or skin sensitisation  
Sensitisation possible through skin contact.  
Sensitising effect through inhalation is possible by prolonged exposure.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information**

- **Toxicity**
- Aquatic toxicity:  
This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea
- **Persistence and degradability**  
This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away
- **Behaviour in environmental systems:**
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- **Ecotoxicological effects:**
- Remark: Harmful to fish
- **Additional ecological information:**
- General notes:  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

**Trade name: 600 PAINT REMOVER****14 Transport information****· UN-Number**

· NZS, IMDG, IATA UN1263

**· UN proper shipping name**· NZS UN1263 PAINT RELATED MATERIAL, special provision 640D  
· IMDG, IATA PAINT RELATED MATERIAL**· Transport hazard class(es)**

· NZS



· Class 3 (F1) Flammable liquids.

· Label 3

· IMDG, IATA



· Class 3 Flammable liquids.

· Label 3

**· Packing group**

· NZS, IMDG, IATA II

**· Environmental hazards:**

· Marine pollutant: No

· **Special precautions for user** Warning: Flammable liquids.

· Hazard identification number (Kemler code): 33

· EMS Number: F-E, S-E

· Stowage Category B

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.**· Transport/Additional information:**

· NZS

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category 2

· Tunnel restriction code D/E

· IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· IATA

· Remarks: HAZ CHEM CODE: 3YE

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**Trade name: 600 PAINT REMOVER**

· **UN "Model Regulation":**

UN 1263 PAINT RELATED MATERIAL, 3, II

\* **15 Regulatory information**

·3YE

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

None of the ingredients is listed.

· New Zealand Inventory of Chemicals

646-06-0 1,3-dioxolane

109-87-5 dimethoxymethane

108-01-0 2-dimethylaminoethanol

64742-47-8 Distillates (petroleum), hydrotreated light

· HSNO Approval numbers

HSNO Approval number HSR 002662

Group standard name Surface Coatings and Colourants (Flammable) Group Standard 2006

HSNO Hazard classification Refer to section 2

646-06-0 1,3-dioxolane: HSR001141

109-87-5 dimethoxymethane: HSR001047

· GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms



GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

dimethoxymethane

2-dimethylaminoethanol

· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

**Trade name: 600 PAINT REMOVER**

- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

**16 Other information**

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for alterations**
- **Relevant phrases**
  - H225 Highly flammable liquid and vapour.
  - H226 Flammable liquid and vapour.
  - H302 Harmful if swallowed.
  - H304 May be fatal if swallowed and enters airways.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H317 May cause an allergic skin reaction.
  - H332 Harmful if inhaled.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.

- **Contact:**

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- \* Data compared to the previous version altered.

**Trade name: 600 PAINT REMOVER****Annex: Exposure scenario****Short title of the exposure scenario****Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category PC9a** Coatings and paints, thinners, paint removers**Process category PROC8b** Transfer of substance or mixture (charging and discharging) at dedicated facilities**Article category AC7** Metal articles**Environmental release category ERC3** Formulation into solid matrix**Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.**Duration and frequency** Frequency of use:**Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid**Concentration of the substance in the mixture** The substance is main component.**Used amount per time or activity** Smaller than 100 g per application.**Other operational conditions****Other operational conditions affecting environmental exposure** Use only on hard ground.**Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

Avoid long-term or repeated skin contact.

Do not breathe gas/vapour/aerosol.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

**Other operational conditions affecting consumer exposure** No special measures required.**Other operational conditions affecting consumer exposure during the use of the product** Not applicable.**Risk management measures****Worker protection****Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures**

Provide explosion-proof electrical equipment.

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

**Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**Trade name: 600 PAINT REMOVER****· Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

**· Environmental protection measures****· Water**

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

Do not allow to reach sewage system.

Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.

**· Soil**

Prevent contamination of soil.

The product is only processed over the concrete collecting basin.

**· Disposal measures** Ensure that waste is collected and contained.**· Disposal procedures**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· Waste type** Partially emptied and uncleaned packaging**· Exposure estimation****· Consumer**

This product is to be used by professional technicians only.

Not relevant for this Exposure Scenario.

**· Guidance for downstream users**

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.